A. CLASSIFICATION OF SUBJECT MATTER

IPC7: H03F 1/02, H04B 1/04
According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: H03F, H04B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No.							
A	EP 1093222 A1 (KINOMURA, MASAHIRO), 18 April 2001 (18.04.01), page 6, line 45 - page 7, line 11, figure 8	1-24						
								
A	US 6349216 B1 (WILLIAM ALBERTH, JR. ET AL), 19 February 2002 (19.02.02), column 12, line 44 - line 64, figure 10	1-24						
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A	EP 1248362 A1 (TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)), 9 October 2002 (09.10.02), figure 1, abstract	1-24						

LX.	Further	documents	are	listed	in	the	continuation	of	Box	C.
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See patent family annex.

- Special categories of cited documents:
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- earlier application or patent but published on or after the international filing date
- document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
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- "&" document member of the same patent family

Date of the actual completion of the international search

Date of mailing of the international search report

9 6 -12- 2003

26 November 2003

Name and mailing address of the ISA/ Swedish Patent Office

Box 5055, S-102 42 STOCKHOLM

Authorized officer

Johanna Schyberg /OGU Telephone No. +46 8 782 25 00

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INTERNATIONAL SEARCH REPORT

International application No. PCT/SE 03/01582

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Category*	Citation of document, with indication, where appropriate, of the rele	Relevant to claim No.	
A	EP 1156582 A2 (NOKIA MOBILE PHONES LTD.), 21 November 2001 (21.11.01), abstract.		1-24
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INTERNATION SEARCH REPORT Information on patent family members

06/09/03

International application No.

PCT/SE 03/01582

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				CN	1297609 7	,
				JP	2000295055 A	20/10/00
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JS	6349216	B1	19/02/02	CN	1282140 #	31/01/01
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				GB	2356093 <i>A</i>	
EP	1248362	A1	09/10/02	WO	02082637	17/10/02
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